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REMARKS

By this amendment, claims 1, 3-10 and 13 are pending. Claims 2, 11, and 12 were cancelled, and new claim 13 was introduced by this amendment. Claims 1, 7, and 10 are in independent form.

Claims 2-5 were rejected under §112, second paragraph as being indefinite. Claim 2 has been amended as suggested by the Examiner, and the rejection of claims 2-5 have been overcome.

Claims 1 and 6-12 were rejected under §102(b) as being anticipated by Graber. Rejection of claim 1 and its dependent claims is moot in light of the amendment to claim 1.

Amended claim 7 is allowable for the additional reason that it requires the coils be secured to the wall portion with the mechanical fastening element. New claim 13 further defines the mechanical fastening element as a brazed joint, which is a structural limitation. The brazed joint is a bead of solder of a brazing material such as those known in the art. Although the Examiner has read the term "secured" broadly, Graber does not disclose or suggest the use of a mechanical fastening element.

Amended claim 10 is directed to a method of cooling a generator. Graber does not disclose a generator, and the rejection under §102(b) is improper. Furthermore, Graber does not have a disclosure that would suggest or motivate one to cool a generator since a generator is not for a hot tub. Generators are not used in hot tubs.

Claim 9 is allowable for the additional reason that, similar to claim 10, Graber does not disclose or suggest the use of a generator.

Claims 2-5 were rejected under §103(a) as being unpatentable over Graber alone. Claim 2 requires that a wall portion surrounds the coil. The Examiner argues that the location of the cooling coil within the housing is considered to be an obvious variant of locating the cooling coil on the outside of the housing. The Examiner's argument must find support in Graber. That is, Graber must suggest or motivate one of ordinary skill in the art to move the coil within the housing. There is no need or benefit to locate the coil within the housing. Intimate heat conduction may be obtained whether the coil is inside or outside the housing.

Claim 3 requires that the coil be secured to the windings. Graber shows the coils wrapped about the outside of the housing. There is nothing in Graber to motivate or suggest one of ordinary skill in the art to secure the coils directly to the windings as required by claim 3. Accordingly, claim 3 is allowable for this additional reason. Claim 4 requires that a shell be arranged between the windings and the coil with the coil secured to the shell. This is neither

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disclosed nor suggested in Graber, and claim 4 is allowable for this additional reason. Claim 5 has been amended to recite the brazed joint as a structural limitation connecting the coil to the shell. Accordingly, the Examiner's argument that brazing is a method is moot.

For the reasons set forth above, Applicant submits that the pending claims in the application are allowable. Applicant respectfully solicits allowance of these claims.

Respectfully submitted,
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Version with markings to show changes made

IN THE CLAIMS:

Please amend claims 1-5, 7, 9 and 10 as follows:

1. (Amended) A cooling assembly for an electromechanical device, the assembly comprising:
a housing having a wall portion;

a magnetic field member disposed within said housing and arranged adjacent said wall portion;

a shaft having windings located within said magnetic field member with an electrical current flowing through said windings coacting with said magnetic field member, wherein at least one of said magnetic field member and said windings produces heat; and

a helical cooling coil defining a fluid conduit arranged adjacent said magnetic field member for removing said heat, wherein said coil is disposed between said wall portion and said magnetic field member.

3. The assembly according to claim [2] 1, wherein said coil is secured to said windings.

4. The assembly according to claim [2] 1, wherein a thin shell is arranged adjacent to said windings with said coil secured to said shell.

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5. (Amended) The assembly according to claim 4, wherein a brazed joint connects said coils [are brazed] to said shell.

7. (New) [The assembly according to claim 1] A cooling assembly for an electromechanical device, the assembly comprising:

a housing having a wall portion;

a magnetic field member disposed within said housing and arranged adjacent said wall portion;

a shaft having windings located within said magnetic field member with an electrical current flowing through said windings coacting with said magnetic field member, wherein at least one of said magnetic field member and said windings produces heat; and

a helical cooling coil defining a fluid conduit arranged adjacent said magnetic field member for removing said heat, wherein said wall portion is disposed between said coil and said windings with said coils secured to said wall portion with a mechanical fastening element.

9. (Amended) The assembly according to claim [1] 7, wherein rotation of said shaft produces a current in said magnetic field [generator] member.

10. (Amended) A method of cooling [an electromechanical device] generator comprising the steps of:

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- a) producing heat in the [electromechanical device] generator having a temperature;
- b) pumping fluid through a helical coil arranged about a portion of the [electromechanical device] generator; and
- c) absorbing the heat in the fluid to reduce the temperature.

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